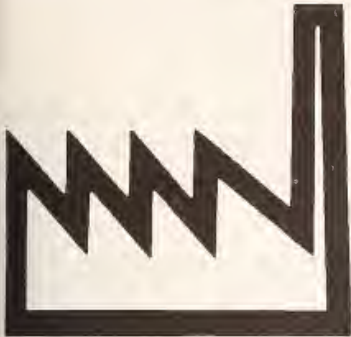


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PRELIMINARY REPORT INDUSTRY SERIES

1987 Census of Manufactures

MC87-I-25A(P)
Issued July 1989

HOUSEHOLD FURNITURE

Industries 2511, 2512, 2514, 2515, 2517, and 2519

INTRODUCTION

This report presents preliminary statistics from the 1987 Census of Manufactures for those establishments classified in the industries listed above. These data will be superseded by a more comprehensive final paperbound report. The method of data collection and use of administrative data are discussed in detail in the appendix.

All dollar figures included in this report are at prices current for the year specified and, therefore, unadjusted for changes in price levels. Consequently, when making comparisons to prior years, users should take into consideration the inflation that has occurred.

The definitions of these industries are the same as those used in the 1987 Standard Industrial Classification (SIC) Manual.¹

INDUSTRY 2511, WOOD HOUSEHOLD FURNITURE

In the 1987 Census of Manufactures, Industry 2511, Wood Household Furniture, had employment of 135.2 thousand. The employment figure was 8 percent above the 125.6 thousand reported in 1982. Compared with 1986, employment in 1987 increased 5 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The total value of shipments for establishments classified in this industry was \$7.9 billion.

In 1987, establishments in this industry accounted for 96 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was also 96. The products primary to this industry appear in table 2 and aggregated to \$7.4 billion in 1987.

The cost of materials and services used by establishments in this industry amounted to \$3.7 billion in 1987. Data on specific materials consumed appear in table 3.

INDUSTRY 2512, UPHOLSTERED HOUSEHOLD FURNITURE

In the 1987 Census of Manufactures, Industry 2512, Upholstered Household Furniture, had employment of 82.1 thousand. The employment figure was 16 percent above the 70.6 thousand reported in 1982. Compared with 1986, employment in 1987 increased 5 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The total value of shipments for establishments classified in this industry was \$5.2 billion.

In 1987, establishments in this industry accounted for 96 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was 95. The products primary to this industry appear in table 2 and aggregated to \$4.9 billion in 1987.

The cost of materials and services used by establishments in this industry amounted to \$2.6 billion in 1987. Data on specific materials consumed appear in table 3.

¹Standard Industrial Classification Manual: 1987. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

Address inquiries to Bureau of the Census, Industry Division, Washington, DC 20233, or call **David J. Gromos** (301) 763-2510.



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INDUSTRY 2514, METAL HOUSEHOLD FURNITURE

In the 1987 Census of Manufactures, Industry 2514, Metal Household Furniture, had employment of 29.1 thousand. The employment figure was 8 percent above the 27.0 thousand reported in 1982. Compared with 1986, employment in 1987 increased 8 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The total value of shipments for establishments classified in this industry was \$2.1 billion.

In 1987, establishments in this industry accounted for 93 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was 92. The products primary to this industry appear in table 2 and aggregated to \$1.9 billion in 1987.

The cost of materials and services used by establishments in this industry amounted to \$1.1 billion in 1987. Data on specific materials consumed appear in table 3.

INDUSTRY 2515, MATTRESSES AND BEDSPRINGS

In the 1987 Census of Manufactures, Industry 2515, Mattresses and Bedsprings, had employment of 24.5 thousand. The employment figure was 3 percent below the 25.4 thousand reported in 1982.

The total value of shipments for establishments classified in this industry was \$2.4 billion.

In 1987, establishments in this industry accounted for 83 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was 88. The products primary to this industry appear in table 2 and aggregated to \$2.7 billion in 1987.

The cost of materials and services used by establishments in this industry amounted to \$1.3 billion in 1987. Data on specific materials consumed appear in table 3.

INDUSTRY 2517, WOOD TELEVISION AND RADIO CABINETS

In the 1987 Census of Manufactures, Industry 2517, Wood Television and Radio Cabinets, had employment of 5.9 thousand. The employment figure was 16 percent below the 7.0 thousand reported in 1982. Compared with 1986, employment in 1987 decreased 5 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The total value of shipments for establishments classified in this industry was \$351.6 million.

In 1987, establishments in this industry accounted for 82 percent of products considered primary to the industry

regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was 91. The products primary to this industry appear in table 2 and aggregated to \$377.7 million in 1987.

The cost of materials and services used by establishments in this industry amounted to \$183.6 million in 1987. Data on specific materials consumed appear in table 3.

INDUSTRY 2519, HOUSEHOLD FURNITURE, N.E.C.

In the 1987 Census of Manufactures, Industry 2519, Household Furniture, N.E.C., had employment of 6.7 thousand. The employment figure was 9 percent below the 7.4 thousand reported in 1982. Compared with 1986, employment in 1987 decreased 3 percent. The 1986 data are based on the Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The total value of shipments for establishments classified in this industry was \$471.5 million.

In 1987, establishments in this industry accounted for 84 percent of products considered primary to the industry regardless of the industry in which they were produced (coverage ratio). In 1982, the coverage ratio was 93. The products primary to this industry appear in table 2 and aggregated to \$472.5 million in 1987.

The cost of materials and services used by establishments in this industry amounted to \$274.2 million in 1987. Data on specific materials consumed appear in table 3.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in the tables in this publication:

-	Represents zero.
(D)	Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
(NA)	Not available.
(NC)	Not comparable.
(S)	Withheld because estimate did not meet publication standards on the basis of either the response rate or a consistency review.
(X)	Not applicable.
(Z)	Less than half the unit shown.
do	Ditto.
n.e.c.	Not elsewhere classified.
n.s.k.	Not specified by kind.
pt.	Part.
r	Revised.
SIC	Standard Industrial Classification.

Other abbreviations, such as lb, gal, yd, doz, bbl, and s tons, are used in the customary sense.

CONTACTS FOR DATA USERS

Subject Area	Contact	Phone	Subject Area	Contact	Phone
			Import/Export Publications	Foreign Trade Division	(301) 763-5140
Census/ASM					
Durables	Kenneth Hansen	(301) 763-7304	Industry Analysis and Forecasts	International Trade Administration	(202) 377-4356
Nondurables	Michael Zampogna	(301) 763-2510			
Current Industrial Reports					
Durables	Malcolm Bernhardt	(301) 763-2518			
Nondurables	Thomas Flood	(301) 763-5911			

Table 1. Historical Statistics for the Industry: 1987 and Earlier Years

[Excludes data for auxiliaries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Year ¹	Companies ² (no.)	All establishments ³		All employees		Production workers			Value added by manufac- ture ⁴ (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expendi- tures (million dollars)	End-of- year inven- tonies ⁴ (million dollars)	Ratios	
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						Special- ization (per- cent)	Cover- age (per- cent)
INDUSTRY 2511, WOOD HOUSEHOLD FURNITURE															
1987 Census ----	(NA)	2 910	857	135.2	2 009.4	118.4	234.2	1 564.9	4 254.7	3 742.3	7 929.3	195.3	1 538.6	94	96
1986 ASM -----	(NA)	(NA)	(NA)	128.6	1 799.5	114.1	223.1	1 414.7	3 802.8	3 468.6	7 237.5	138.5	1 393.1	(NA)	(NA)
1985 ASM -----	(NA)	(NA)	(NA)	133.2	1 748.8	115.9	221.1	1 352.1	3 526.7	3 194.6	6 727.6	151.6	1 360.3	(NA)	(NA)
1984 ASM -----	(NA)	(NA)	(NA)	134.9	1 717.9	118.1	227.0	1 330.4	3 459.0	3 223.5	6 613.2	138.7	1 375.5	(NA)	(NA)
1983 ASM -----	(NA)	(NA)	(NA)	125.7	1 532.0	109.7	208.0	1 185.8	3 088.5	2 640.2	5 702.4	111.5	1 250.4	(NA)	(NA)
1982 Census ----	2 430	2 607	833	125.6	1 402.7	109.2	197.2	1 070.6	2 715.0	2 317.8	5 056.6	119.1	1 162.4	95	96
1981 ASM -----	(NA)	(NA)	(NA)	134.7	1 478.1	116.8	224.6	1 142.9	2 885.6	2 489.1	5 321.7	125.1	1 115.9	(NA)	(NA)
1980 ASM -----	(NA)	(NA)	(NA)	138.1	1 370.0	119.5	225.9	1 047.8	2 708.2	2 325.9	5 008.5	136.8	1 004.2	(NA)	(NA)
1979 ASM -----	(NA)	(NA)	(NA)	140.1	1 334.3	122.1	240.5	1 035.8	2 670.7	2 327.4	4 942.3	153.8	1 001.5	(NA)	(NA)
1978 ASM -----	(NA)	(NA)	(NA)	147.0	1 296.3	128.6	255.0	1 014.6	2 586.8	2 333.6	4 864.4	140.7	948.9	(NA)	(NA)
1977 Census ----	2 796	2 982	815	140.8	1 137.3	124.6	244.5	897.3	2 235.0	1 931.2	4 140.3	101.6	821.2	94	96
1976 ASM -----	(NA)	(NA)	(NA)	137.9	1 041.3	121.1	232.1	816.2	1 999.4	1 822.6	3 780.1	91.6	722.5	(NA)	(NA)
1975 ASM -----	(NA)	(NA)	(NA)	123.5	865.8	108.2	200.6	671.0	1 575.2	1 461.0	3 095.4	81.0	651.0	(NA)	(NA)
1974 ASM -----	(NA)	(NA)	(NA)	138.2	927.2	121.7	238.5	733.3	1 808.4	1 647.1	3 381.0	148.8	717.0	(NA)	(NA)
1973 ASM -----	(NA)	(NA)	(NA)	135.1	905.4	126.8	255.3	715.0	1 709.4	1 530.1	3 201.3	115.1	632.2	(NA)	(NA)
1972 Census ----	2 173	2 348	827	133.8	806.8	118.8	240.9	642.3	1 556.9	1 355.1	2 870.0	93.8	513.2	94	95
INDUSTRY 2512, UPHOLSTERED HOUSEHOLD FURNITURE															
1987 Census ----	(NA)	1 142	571	82.1	1 291.6	69.5	132.3	980.4	2 650.9	2 625.5	5 247.7	76.6	567.0	90	96
1986 ASM -----	(NA)	(NA)	(NA)	77.9	1 206.2	65.6	125.0	896.4	2 489.2	2 463.8	4 945.0	79.1	526.9	(NA)	(NA)
1985 ASM -----	(NA)	(NA)	(NA)	76.0	1 116.9	64.3	118.2	831.0	2 193.0	2 352.2	4 550.7	60.1	498.4	(NA)	(NA)
1984 ASM -----	(NA)	(NA)	(NA)	76.5	1 076.7	64.8	120.7	804.8	2 108.7	2 282.5	4 362.7	64.1	537.6	(NA)	(NA)
1983 ASM -----	(NA)	(NA)	(NA)	72.5	944.9	62.6	115.1	730.3	1 990.8	2 006.6	3 989.7	561.5	469.4	(NA)	(NA)
1982 Census ----	1 129	1 227	602	70.6	849.9	59.8	105.6	637.2	1 745.3	1 761.5	3 505.3	57.2	441.4	91	95
1981 ASM -----	(NA)	(NA)	(NA)	83.2	959.3	70.3	127.9	721.1	1 892.9	1 980.7	3 860.0	84.6	451.2	(NA)	(NA)
1980 ASM -----	(NA)	(NA)	(NA)	89.0	959.2	75.0	141.6	724.6	1 739.4	1 974.6	3 721.6	572.3	430.0	(NA)	(NA)
1979 ASM -----	(NA)	(NA)	(NA)	95.0	951.9	81.4	150.2	715.9	1 747.6	1 899.2	3 641.6	67.1	459.3	(NA)	(NA)
1978 ASM -----	(NA)	(NA)	(NA)	89.4	863.3	76.2	141.8	656.4	1 679.3	1 750.8	3 429.8	66.5	400.0	(NA)	(NA)
1977 Census ----	1 357	1 473	730	89.1	779.2	75.7	137.6	583.9	1 437.3	1 510.6	2 931.0	50.4	378.6	91	96
1976 ASM -----	(NA)	(NA)	(NA)	79.2	658.2	67.6	123.6	491.1	1 207.2	1 246.5	2 445.9	47.3	306.7	(NA)	(NA)
1975 ASM -----	(NA)	(NA)	(NA)	74.4	597.0	63.4	115.8	440.8	1 068.2	1 111.0	2 186.1	25.6	286.4	(NA)	(NA)
1974 ASM -----	(NA)	(NA)	(NA)	88.5	635.3	75.3	139.2	477.3	1 173.6	1 142.2	2 309.8	45.4	318.7	(NA)	(NA)
1973 ASM -----	(NA)	(NA)	(NA)	94.9	652.0	80.5	151.6	497.9	1 173.3	1 106.1	2 273.4	47.9	300.9	(NA)	(NA)
1972 Census ----	1 203	1 308	770	92.0	605.3	78.3	150.2	454.7	1 104.0	1 017.9	2 104.7	54.7	251.4	92	95
INDUSTRY 2514, METAL HOUSEHOLD FURNITURE															
1987 Census ----	(NA)	406	204	29.1	490.7	23.4	46.3	322.9	1 023.8	1 057.7	2 079.0	36.7	363.1	88	93
1986 ASM -----	(NA)	(NA)	(NA)	26.9	438.2	21.7	43.0	289.6	941.7	980.0	1 901.5	29.7	353.8	(NA)	(NA)
1985 ASM -----	(NA)	(NA)	(NA)	27.2	420.5	22.4	42.9	279.6	885.3	939.3	1 828.9	36.9	316.8	(NA)	(NA)
1984 ASM -----	(NA)	(NA)	(NA)	27.6	406.8	22.8	43.9	270.9	893.2	916.0	1 796.2	38.5	315.5	(NA)	(NA)
1983 ASM -----	(NA)	(NA)	(NA)	28.3	391.2	23.0	45.2	255.1	836.4	854.9	1 701.0	23.1	300.9	(NA)	(NA)
1982 Census ----	413	454	205	27.0	362.4	21.5	41.8	240.3	807.0	774.1	1 590.7	25.4	277.7	89	92
1981 ASM -----	(NA)	(NA)	(NA)	29.8	358.5	24.4	46.6	247.5	789.0	781.5	1 546.5	27.9	254.0	(NA)	(NA)
1980 ASM -----	(NA)	(NA)	(NA)	31.6	345.3	26.2	48.8	239.0	739.9	748.1	1 467.7	34.1	239.2	(NA)	(NA)
1979 ASM -----	(NA)	(NA)	(NA)	34.4	352.1	28.0	54.1	245.6	772.1	778.6	1 506.9	29.9	249.9	(NA)	(NA)
1978 ASM -----	(NA)	(NA)	(NA)	34.1	337.3	28.3	54.0	235.0	695.0	761.8	1 450.2	26.8	234.1	(NA)	(NA)
1977 Census ----	405	448	213	33.2	302.2	27.4	51.6	208.6	637.4	684.0	1 307.1	22.8	217.0	89	91
1976 ASM -----	(NA)	(NA)	(NA)	30.5	269.4	24.8	46.9	179.6	522.3	559.7	1 079.5	17.2	184.2	(NA)	(NA)
1975 ASM -----	(NA)	(NA)	(NA)	28.3	234.8	22.7	41.9	156.2	439.8	483.2	938.9	14.7	165.4	(NA)	(NA)
1974 ASM -----	(NA)	(NA)	(NA)	35.4	257.5	28.8	53.8	176.9	483.6	529.4	1 003.0	18.2	203.0	(NA)	(NA)
1973 ASM -----	(NA)	(NA)	(NA)	36.9	253.6	30.6	58.9	177.9	508.8	506.6	999.8	25.5	169.7	(NA)	(NA)
1972 Census ----	427	467	230	34.4	222.5	28.6	53.7	157.6	447.2	452.4	890.4	16.9	133.8	90	91
INDUSTRY 2515, MATTRESSES AND BEDSPRINGS															
1987 Census ----	(NA)	830	332	24.5	454.5	18.1	35.1	260.3	1 178.1	1 275.2	2 446.5	33.5	213.1	95	83
1986 ASM -----	(NA)	(NA)	(NA)	20.3	376.7	14.5	28.7	216.9	961.5	1 112.3	2 074.6	23.7	184.3	(NA)	(NA)
1985 ASM -----	(NA)	(NA)	(NA)	21.1	369.7	15.3	28.8	212.6	856.3	1 057.4	1 920.9	27.6	174.0	(NA)	(NA)
1984 ASM -----	(NA)	(NA)	(NA)	25.0	358.9	18.6	35.6	209.9	860.8	1 095.5	1 956.3	529.2	197.2	(NA)	(NA)
1983 ASM -----	(NA)	(NA)	(NA)	25.6	387.2	19.2	37.3	232.4	907.3	1 127.4	2 026.1	34.7	233.0	(NA)	(NA)
1982 Census ----	786	902	336	25.4	357.4	19.0	35.6	218.9	882.4	1 047.4	1 935.4	25.0	200.5	95	88
1981 ASM -----	(NA)	(NA)	(NA)	28.3	367.9	21.1	40.1	220.5	1 027.1	1 154.6	2 171.8	536.3	259.0	(NA)	(NA)
1980 ASM -----	(NA)	(NA)	(NA)	27.8	341.3	20.8	39.2	205.0	894.6	1 024.6	1 934.8	23.0	238.9	(NA)	(NA)
1979 ASM -----	(NA)	(NA)	(NA)	28.8	333.2	21.7	42.1	202.7	810.6	963.9	1 760.1	20.5	190.9	(NA)	(NA)
1978 ASM -----	(NA)	(NA)	(NA)	26.7	303.9	20.7	39.2	190.5	659.2	838.8	1 499.5	22.7	165.4	(NA)	(NA)
1977 Census ----	832	962	355	27.0	279.8	20.6	39.3	175.3	616.6	788.6	1 398.5	14.5	155.6	95	86
1976 ASM -----	(NA)	(NA)	(NA)	25.8	252.3	19.8	38.0	160.7	563.9	672.4	1 231.3	13.6	130.5	(NA)	(NA)
1975 ASM -----	(NA)	(NA)	(NA)	25.0	228.3	19.5	36.7	144.5	495.3	612.2	1 110.5	20.9	120.8	(NA)	(NA)
1974 ASM -----	(NA)	(NA)	(NA)	28.2	233.3	21.9	41.4	147.6	538.0	612.4	1 145.7	17.3	133.0	(NA)	(NA)
1973 ASM -----	(NA)	(NA)	(NA)	33.6	259.0	26.2	50.4	167.6	538.1	659.5	1 197.2	521.9	138.5	(NA)	(NA)
1972 Census ----	888	977	370	31.4	233.7	24.2	47.1	149.7	479.9	565.4	1 041.7	20.7	112.9	94	88
INDUSTRY 2517, WOOD TELEVISION AND RADIO CABINETS															
1987 Census ----	(NA)	79	37	5.9	91.6	5.1	10.2	70.7	166.4	183.6	351.6	7.3	34.1	89	82
1986 ASM -----	(NA)	(NA)	(NA)	6.2	95.1	5.4	10.2	75.8	189.6	196.0	382.1	8.0	38.4	(NA)	(NA)
1985 ASM -----	(NA)	(NA)	(NA)	7.2	98.9	6.2	11.2	76.0	177.2						

Table 1. Historical Statistics for the Industry: 1987 and Earlier Years—Con.

[Excludes data for auxiliaries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendix]

Year¹	Companies² (no.)	All establishments³		All employees		Production workers			Value added by manufac- ture⁴ (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expend- itures (million dollars)	End-of- year invent- ories⁴ (million dollars)	Ratios	
		Total (no.)	With 20 employ- ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						Spec- ial- ization (per- cent)	Cover- age (per- cent)
	INDUSTRY 2517, WOOD TELEVISION AND RADIO CABINETS—Con.														
1977 Census ----	91	94	51	10.7	89.0	9.3	17.6	70.5	150.4	155.0	304.8	11.1	30.5	92	90
1976 ASM -----	(NA)	(NA)	(NA)	10.3	72.1	9.0	16.9	56.7	147.3	143.2	290.7	2.4	35.2	(NA)	(NA)
1975 ASM -----	(NA)	(NA)	(NA)	9.1	60.9	7.7	14.2	46.4	117.5	116.0	240.8	2.2	33.7	(NA)	(NA)
1974 ASM -----	(NA)	(NA)	(NA)	15.1	94.9	12.7	23.7	72.4	151.4	195.0	346.2	7.8	64.8	(NA)	(NA)
1973 ASM -----	(NA)	(NA)	(NA)	18.5	112.8	16.2	30.5	87.5	189.0	179.2	356.5	10.7	65.4	(NA)	(NA)
1972 Census ----	95	103	65	18.9	111.2	16.6	32.4	87.5	176.9	160.2	330.2	9.5	49.8	85	91
	INDUSTRY 2519, HOUSEHOLD FURNITURE, N.E.C.														
1987 Census ----	(NA)	179	55	6.7	111.6	5.7	11.4	81.5	198.7	274.2	471.5	30.2	55.6	84	84
1986 ASM -----	(NA)	(NA)	(NA)	6.9	108.9	5.8	11.5	80.5	192.9	253.5	450.3	21.9	64.3	(NA)	(NA)
1985 ASM⁶ -----	(NA)	(NA)	(NA)	7.0	105.4	5.9	11.3	78.6	188.6	257.7	445.7	12.2	67.6	(NA)	(NA)
1984 ASM -----	(NA)	(NA)	(NA)	7.5	114.1	6.3	12.3	86.4	185.7	239.9	423.4	13.4	58.2	(NA)	(NA)
1983 ASM -----	(NA)	(NA)	(NA)	7.7	114.7	6.5	12.2	85.9	219.1	258.8	462.0	⁵12.4	64.8	(NA)	(NA)
1982 Census ----	196	202	63	7.4	100.7	6.0	11.7	76.4	153.3	225.6	381.1	11.9	50.3	80	93
1981 ASM⁶ -----	(NA)	(NA)	(NA)	9.2	121.6	7.7	15.2	90.0	199.6	267.3	466.5	17.6	53.2	(NA)	(NA)
1980 ASM⁶ -----	(NA)	(NA)	(NA)	9.1	109.2	7.6	14.4	81.5	179.5	232.2	412.3	18.1	46.4	(NA)	(NA)
1979 ASM⁶ -----	(NA)	(NA)	(NA)	8.8	99.0	7.6	14.5	76.0	139.4	211.9	353.8	13.2	37.9	(NA)	(NA)
1978 ASM -----	(NA)	(NA)	(NA)	9.0	94.2	7.6	15.0	72.2	141.5	195.1	331.7	⁵14.2	40.1	(NA)	(NA)
1977 Census ----	198	201	59	8.7	79.7	7.5	14.3	61.7	131.0	172.6	301.9	10.4	34.1	79	84
1976 ASM⁶ -----	(NA)	(NA)	(NA)	5.8	48.2	4.8	9.2	35.8	103.4	110.4	213.8	7.5	26.1	(NA)	(NA)
1975 ASM⁶ -----	(NA)	(NA)	(NA)	5.7	48.9	4.8	9.3	36.2	104.6	94.0	197.8	4.7	28.0	(NA)	(NA)
1974 ASM -----	(NA)	(NA)	(NA)	6.6	48.6	5.6	10.7	37.4	94.0	85.8	179.3	⁵6.1	28.2	(NA)	(NA)
1973 ASM -----	(NA)	(NA)	(NA)	7.8	52.1	6.6	12.7	38.8	100.3	89.3	189.1	⁵7.8	22.7	(NA)	(NA)
1972 Census ----	157	166	73	6.9	44.2	5.9	11.0	33.0	95.6	80.1	172.6	7.0	20.2	84	73

Note: Establishments of single unit companies with up to 20 employees (cutoff varied by industry) were excluded from the mail portion of the census. Data for these establishments (and a small number of larger establishments whose reports were not received at the time the data were tabulated) were estimated based on administrative-record information from other agencies in conjunction with industry averages. These establishments accounted for the following percent of total value of shipments: SIC 2511, 13%; SIC 2512, 11%; SIC 2514, 14%; SIC 2515, 18%; SIC 2517, 17%; SIC 2519, 15%.

¹In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1972, see 1972 Census of Manufactures, vol. II, table 1a of the Industry chapter.

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during year.

⁴Beginning with the 1982 Census of Manufactures, all respondents were requested to report their inventories at (the lower of) cost or market prior to adjustment to LIFO cost. This is a change from prior Censuses and annual surveys of manufactures in which respondents were permitted to value their inventories using any generally accepted accounting method. Consequently, inventories and value added by manufacture are not comparable to prior-year data.

⁵Estimates for new capital expenditures have associated standard error of 15 percent or more and may be of limited reliability. Estimates for other data items are of acceptable reliability.

⁶Data either have associated standard errors exceeding 15 percent or are not consistent with other census series and related data; thus, these estimates may be of limited reliability.

Table 2. Product and Product Classes—Quantity and Value of Shipments by All Producers: 1987 and 1982

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For further explanation, see Value of Shipments in appendix. For meaning of abbreviations and symbols, see introductory text.]

1987 product code	Product	1987			1982		
		Number of companies with shipments of \$100,000 or more	Product shipments ¹		Number of companies with shipments of \$100,000 or more	Product shipments ¹	
			Quantity ²	Value (million dollars)		Quantity ²	Value (million dollars)
2511- --	WOOD HOUSEHOLD FURNITURE						
	Total -----	(NA)	(X)	7 421.0	(NA)	(X)	4 887.4
25112 --	Wood living room, library, family room, and den furniture, except sewing machine cabinets -----	(NA)	(X)	1 500.1	(NA)	(X)	1 221.7
25112 19	Cabinets (including record, music, sewing, smoking, etc.), except sewing machine, radio, phono, and television cabinets -----	(NA)	(X)	148.9	57	(X)	129.2
25112 33	Chairs, except dining room ----- 1,000 units ..	(NA)	(S)	63.8	58	(S)	62.6
25112 35	Rockers ----- do ..	(NA)	(S)	26.0	26	(S)	37.1
25112 41	Tables (all types), except card and telephone tables ----- do ..	(NA)	*5 365.8	545.9	201	**6 010.4	499.5
25112 51	Desks ----- do ..	(NA)	*756.2	141.0	70	(S)	137.7
25112 71	Credenzas, bookcases, and bookshelves (except wall units) -----	(NA)	(X)	71.8	43	(X)	71.7
25112 81	Wall units (desk, bookcase, and storage type) ----- 1,000 units ..	(NA)	*1 130.0	258.6	82	(S)	123.5
25112 91	Other seating, including settees, loveseats, benches, stools, etc. ----- do ..	(NA)	(S)	69.8	103	(X)	105.3
25112 98	Other nonupholstered living room furniture (secretaries, breakfronts, bars, cellarets, magazine racks, smoking stands, ornamental screens, whatnots, hanging shelves, telephone tables and chairs, card tables and chairs, etc.) -----	(NA)	(X)	85.6			
25112 00	Wood living room, library, family room, and den furniture, except sewing machine cabinets, n.s.k. -----	(NA)	(X)	88.7	(NA)	(X)	55.0

See footnotes at end of table.

Table 2. Product and Product Classes—Quantity and Value of Shipments by All Producers: 1987 and 1982—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For further explanation, see Value of Shipments in appendix. For meaning of abbreviations and symbols, see introductory text]

1987 product code	Product	1987			1982		
		Number of companies with shipments of \$100,000 or more	Product shipments ¹		Number of companies with shipments of \$100,000 or more	Product shipments ¹	
			Quantity ²	Value (million dollars)		Quantity ²	Value (million dollars)
2511--	WOOD HOUSEHOLD FURNITURE—Con.						
25113 --	Wood dining room and kitchen furniture, except cabinets	(NA)	(X)	1 470.1	(NA)	(X)	1 014.7
25113 11	Tables, 30 x 40 inches or larger, dining room	(NA)	(S)	355.7	152	(S)	250.7
	Chairs, dining room:						
25113 33	Upholstered	(NA)	*3 417.2	206.3	151	**6 249.2	378.8
25113 35	Nonupholstered	(NA)	**4 833.3	337.5			
25113 51	Buffets and servers, dining room	(NA)	*443.0	147.3	90	**468.1	107.8
25113 71	China and corner cabinets, dining room	(NA)	*612.9	258.7	81	*669.7	156.4
25113 91	Other dining and kitchen seating	(NA)	(S)	19.7			
25113 99	Other dining room and kitchen furniture (including breakfast sets, junior dining furniture sets, and kitchen tables)	(NA)	(X)	38.4	52	(X)	83.8
25113 00	Wood dining room and kitchen furniture, except cabinets, n.s.k.	(NA)	(X)	106.5	(NA)	(X)	37.3
25115 --	Wood bedroom furniture	(NA)	(X)	2 241.5	(NA)	(X)	³ 1 557.0
25115 11	Beds (excluding headboards, headboard beds, bunk beds, cribs, cradles, Hollywood beds, and youth beds)	(NA)	*1 023.9	214.8	97	(S)	188.1
25115 13	Headboards and headboard beds, including padded	(NA)	*2 672.2	273.9	103	(S)	188.2
25115 15	Bunk beds (excluding mattresses and detachable springs)	(NA)	(S)	46.2	39	(S)	48.7
25115 17	Conventional water beds	(NA)	(S)	32.7	16	(S)	341.3
25115 21	Dressers, vanities, and dressing tables	(NA)	*2 734.6	500.1	117	*1 967.4	325.8
25115 33	Wardrobes, chifforobes, armoires, and wardrobe-type cabinets	(NA)	*424.2	119.9	44	(S)	76.8
25115 35	Chests of drawers	(NA)	*3 049.7	423.9	104	*2 099.5	257.6
25115 41	Cedar chests	(NA)	275.3	37.8	11	*219.2	34.9
25115 61	Night tables and stands	(NA)	*2 678.0	224.9	93	**2 221.7	161.2
25115 91	Seating, including chairs, rockers, benches, etc.	(NA)	(S)	16.4			
25115 99	Other nonupholstered bedroom furniture (including commodes, bed rails, valet stands, etc.)	(NA)	(X)	163.8	59	(X)	165.5
25115 00	Wood bedroom furniture, n.s.k.	(NA)	(X)	187.1	(NA)	(X)	69.1
25116 --	Infants' and children's wood furniture	(NA)	(X)	273.4	(NA)	(X)	158.8
25116 11	Cribs, including springs sold as part of the crib	(NA)	998.7	102.2	13	(S)	74.8
25116 21	Seating (chairs, nursery seats, high chairs, etc.)	(NA)	(S)	12.5			
25116 31	Other bedroom furniture	(NA)	(X)	88.4	27	(X)	83.8
25116 98	Other infants' and children's furniture	(NA)	(X)	57.2			
25116 00	Infants' and children's wood furniture, n.s.k.	(NA)	(X)	13.1	(NA)	(X)	.1
25117 --	Wood outdoor furniture, unpainted wood furniture, and unassembled and knock-down wood furniture	(NA)	(X)	803.2	(NA)	(X)	249.9
25117 21	Porch, lawn, beach, and similar wood furniture:						
25117 29	Chairs, rockers, benches, and chaise lounges, including steamer and deck chairs	(NA)	(S)	18.2	20	(S)	62.4
	Other wood porch, lawn, beach, and similar furniture, including gliders, swings, folding cots, tables, and picnic table sets	(NA)	(X)	23.0	22	(X)	37.5
25117 43	Unpainted wood furniture (furniture-in-the-white):						
25117 45	Seating	(NA)	**388.2	11.3			
25117 47	Kitchen furniture	(NA)	(X)	20.5			
25117 49	Bedroom furniture	(NA)	(X)	11.5	37	(X)	88.4
	Other unpainted wood furniture, including bookcases, desks, folding screens, etc.	(NA)	(X)	17.8			
25117 63	Unassembled or knock-down wood household furniture, unpainted or finished, sold in kits:						
25117 65	Seating	(NA)	**513.6	11.8			
25117 67	Kitchen furniture	(NA)	(X)	79.7	19	(X)	49.2
25117 69	Bedroom furniture	(NA)	(X)	62.6			
25117 00	Other unassembled furniture	(NA)	(X)	509.0			
	Wood outdoor furniture, unpainted wood furniture, and unassembled and knock-down wood furniture, n.s.k.	(NA)	(X)	37.8	(NA)	(X)	12.5
25110 --	Wood household furniture, n.s.k.	(NA)	(X)	1 132.7	(NA)	(X)	685.4
25110 00	Wood household furniture, n.s.k., typically for establishments with 5 employees or more (see note)	(NA)	(X)	885.9	(NA)	(X)	534.7
25110 02	Wood household furniture, n.s.k., typically for establishments with less than 5 employees (see note)	(NA)	(X)	246.8	(NA)	(X)	150.7
2512--	UPHOLSTERED HOUSEHOLD FURNITURE						
	Total	(NA)	(X)	4 894.8	(NA)	(X)	3 319.8
25120 --	Upholstered wood household furniture, except dual-purpose sleep furniture:						
25120 12	Sofas, davenports (excluding dual-purpose), settees, and loveseats, excluding chairs sold as part of suites and sectional sofa pieces	(NA)	**8 240.5	1 980.4	424	**6 414.8	1 397.7
25120 31	Swivel chairs with variable height adjustment	(NA)	(S)	60.4	310	3 737.2	510.0
25120 35	Other chairs, except reclining	(NA)	*3 574.7	629.5			
25120 41	Sectional sofa pieces, including pieces seating one person	(NA)	*1 444.7	342.0	135	**639.1	132.9
25120 45	Rockers, including swivel rockers	(NA)	*1 503.9	182.2	120	(S)	137.3
25120 54	Reclining chairs, all types	(NA)	4 104.4	836.5	54	*3 037.0	524.7
25120 98	Other upholstered wood household furniture (ottomans, hassocks, benches, chaise lounges, etc.)	(NA)	(X)	95.5	106	(X)	111.1
25120 00	Upholstered household furniture, n.s.k., typically for establishments with 10 employees or more (see note)	(NA)	(X)	626.1	(NA)	(X)	410.5
25120 02	Upholstered household furniture, n.s.k., typically for establishments with less than 10 employees (see note)	(NA)	(X)	142.2	(NA)	(X)	95.6

See footnotes at end of table.

Table 2. **Product and Product Classes—Quantity and Value of Shipments by All Producers: 1987 and 1982—Con.**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For further explanation, see Value of Shipments in appendix. For meaning of abbreviations and symbols, see introductory text]

1987 product code	Product	1987			1982		
		Number of companies with shipments of \$100,000 or more	Product shipments ¹		Number of companies with shipments of \$100,000 or more	Product shipments ¹	
			Quantity ²	Value (million dollars)		Quantity ²	Value (million dollars)
2514- --	METAL HOUSEHOLD FURNITURE						
	Total -----	(NA)	(X)	1 893.1	(NA)	(X)	1 517.4
25145 --	Metal household dining room and kitchen furniture, except upholstered -----	(NA)	(X)	377.0	(NA)	(X)	422.5
	Tubular metal dining, dinette, and breakfast furniture (including chairs whether padded or plain):						
	Sets:						
25145 12	Tables ----- 1,000 units ..	(NA)	**509.3	73.2	30	1 387.8	266.6
25145 13	Chairs ----- do..	(NA)	*2 283.5	119.4			
25145 15	Tables (not sold with a set) ----- do..	(NA)	189.9	21.2	20	*857.2	33.0
25145 17	Chairs (not sold with a set) ----- do..	(NA)	513.2	29.8	13	*997.1	18.4
25145 19	Other metal dining room and kitchen chairs ----- do..	(NA)	(*)	(*)	(*)	(X)	(*)
25145 21	Cabinets, such as base, top and base wall, utility, etc. ----- do..	(NA)	(S)	42.1	16	744.9	27.2
25145 27	Stools, padded and plain ----- do..	(NA)	1 079.1	25.6	10	975.5	25.6
25145 98	Other metal dining room and kitchen furniture, including hostess carts -----	(NA)	(X)	420.0	48	(X)	446.5
25145 00	Metal household dining room and kitchen furniture, except upholstered, n.s.k. -----	(NA)	(X)	45.7	(NA)	(X)	5.2
25146 --	Metal porch, lawn, outdoor, and casual furniture, except upholstered -----	(NA)	(X)	537.6	(NA)	(X)	399.4
	Tubular aluminum:						
25146 12	Chairs, rockers, benches, chaise lounges, and settees ----- 1,000 units ..	(NA)	*11 494.6	315.4	31	*3 893.3	215.6
25146 14	Other tubular aluminum porch, lawn, outdoor, and casual furniture, including gliders, swings, hammocks, and tables -----	(NA)	(X)	54.5	18	(X)	55.8
	Cast and wrought iron:						
25146 22	Chairs, rockers, benches, chaise lounges, and settees ----- 1,000 units ..	(NA)	**827.0	39.0	11	819.4	46.1
25146 24	Other cast and wrought iron porch, lawn, outdoor, and casual furniture, including gliders, swings, hammocks, and tables -----	(NA)	(X)	11.2	13	(X)	35.1
25146 98	Other metal porch, lawn, outdoor, and casual furniture, including picnic tables -----	(NA)	(X)	84.9	15	(X)	27.0
25146 00	Metal porch, lawn, outdoor and casual furniture, except upholstered, n.s.k. -----	(NA)	(X)	32.5	(NA)	(X)	19.8
25147 --	Other metal household furniture, including upholstered -----	(NA)	(X)	700.3	(NA)	(X)	539.2
25147 33	Folding cots, rollable cots, army cots, and other metal beds ----- 1,000 units ..	(NA)	**1 224.4	53.2	19	*921.6	57.5
25147 37	Metal bed frames (complete metal bed frames, sold separately, with or without a headboard) ----- do..	(NA)	(S)	174.8	41	(S)	93.2
25147 55	Upholstered metal household furniture ----- do..	(NA)	(X)	(*)	7	(X)	9.9
25147 71	Card tables and chairs ----- do..	(NA)	(X)	63.9	(*)	(X)	(*)
25147 75	Medicine cabinets, including wall type and insert type ----- 1,000 units ..	(NA)	(S)	66.9	16	**2 371.9	70.9
25147 82	Infants' high chairs ----- do..	(NA)	*1 900.5	40.7	11	1 000.0	20.8
25147 83	Infants' car seats ----- do..	(NA)	*1 987.8	54.3	5	1 032.0	35.6
25147 85	Other infants' and children's seating ----- do..	(NA)	(S)	6.4	8	2 026.2	60.0
25147 87	Other infants' and children's metal furniture, except seating (including tables, playpens, playyards, and portable cribs) ----- do..	(NA)	(S)	51.5			
25147 91	Sewing machine bases and covers ----- do..	(NA)	(X)	-	42	(X)	6179.6
25147 99	Other metal household furniture (including metal folding trays) -----	(NA)	(X)	5150.5			
25147 00	Other metal household furniture (including upholstered), n.s.k. -----	(NA)	(X)	38.1	(NA)	(X)	11.7
25140 --	Metal household furniture, n.s.k. -----	(NA)	(X)	278.2	(NA)	(X)	156.3
25140 00	Metal household furniture, n.s.k., typically for establishments with 5 employees or more (see note) -----	(NA)	(X)	208.0	(NA)	(X)	113.9
25140 02	Metal household furniture, n.s.k., typically for establishments with less than 5 employees (see note) -----	(NA)	(X)	70.2	(NA)	(X)	42.4
2515- --	MATTRESSES, FOUNDATIONS, AND CONVERTIBLE BEDS						
	Total -----	(NA)	(X)	2 705.7	(NA)	(X)	2 001.3
25151 --	Innerspring mattresses, other than crib size:						
25151 00	Innerspring mattresses, other than crib size, including those with polyurethane or rubber topper pads and those sold as part of Hollywood beds (excluding inserts) ----- 1,000 units ..	(NA)	**10 227.4	881.9	274	**9 375.8	705.3
25152 --	Other mattresses, including crib mattresses and mattress inserts -----	(NA)	(X)	148.9	(NA)	(X)	159.1
25152 11	Crib mattresses, all types, including crib size mattresses made with innersprings, polyurethane, latex foam, hair, cotton felt, etc. ----- 1,000 units ..	(NA)	*1 090.7	26.2	16	(S)	29.6
25152 15	Foam core mattresses, other than crib size ----- do..	(NA)	(S)	43.4	68	(S)	53.5
25152 47	Other mattresses, including those made of cotton felt, hair, etc., excluding mattresses for cribs, hybrid-type flotation, air, and adjustable ensembles ----- do..	(NA)	(S)	50.3	24	**1 150.3	37.0
25152 65	Mattress inserts for dual-purpose sleep furniture; innerspring and foam ----- do..	(NA)	*517.1	23.9	26	(S)	14.7
25152 00	Other mattresses, including crib mattresses and mattress inserts, n.s.k. -----	(NA)	(X)	5.1	(NA)	(X)	24.3
25153 --	Foundations (excluding innerspring units, foundations incorporated into hybrid flotation, air, and adjustable ensembles) -----	(NA)	(X)	548.0	(NA)	(X)	461.3
25153 15	Spring ----- 1,000 units ..	(NA)	*6 482.4	417.2	133	(S)	367.0
25153 17	Foam ----- do..	(NA)	**666.7	34.9	35	*618.5	30.2
25153 19	Other foundations, including platform ----- do..	(NA)	(S)	43.2	24	(S)	15.7

See footnotes at end of table.

Table 2. Product and Product Classes—Quantity and Value of Shipments by All Producers: 1987 and 1982—Con.

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1987 product code	Product	1987			1982		
		Number of companies with shipments of \$100,000 or more	Product shipments ¹		Number of companies with shipments of \$100,000 or more	Product shipments ¹	
			Quantity ²	Value (million dollars)		Quantity ²	Value (million dollars)
2515- --	MATTRESSES, FOUNDATIONS, AND CONVERTIBLE BEDS—Con.						
25153 --	Foundations (excluding innerspring units, foundations incorporated into hybrid flotation, air, and adjustable ensembles)—Con.						
25153 00	Foundations (excluding innerspring units, foundations incorporated into hybrid flotation, air, and adjustable ensembles), n.s.k. -----	(NA)	(X)	52.7	(NA)	(X)	48.4
25155 --	Dual-purpose sleep furniture -----	(NA)	(X)	586.8	(NA)	(X)	396.2
25155 12	Convertible sofas (hidden separate mattress which forms sleeping surface and folds up beneath the seat) -----	(NA)	(X)	533.3	193	(S)	365.9
25155 16	All other dual-purpose sleep furniture, including jackknife sofa beds and chair beds (back lowers to seat level by means of jackknife hinge and forms half the sleeping surface) and studio couches -----	(NA)	(X)	18.6	35	(S)	30.3
25155 00	Dual purpose sleep furniture, n.s.k. -----	(NA)	(X)	35.0	-	(X)	-
25156 --	Sleep system ensembles, excluding conventional water beds -----	(NA)	(X)	86.1	(NA)	(X)	23.9
25156 13	Hybrid-type flotation ensemble ----- 1,000 units--	(NA)	(S)	21.7	22	(S)	9.9
25156 15	Air bed ensemble ----- do--	(NA)	(Z)	(Z)	2	(D)	(D)
25156 19	Electric adjustable sleep ensemble (excluding hospital beds) ----- do--	(NA)	(S)	46.6	9	(D)	(D)
25156 00	Sleep system ensembles, excluding conventional water beds, n.s.k. -----	(NA)	(X)	17.8	(NA)	(X)	3.3
25150 --	Mattresses and bedsprings, n.s.k. -----	(NA)	(X)	454.1	(NA)	(X)	255.6
25150 00	Mattresses and bedsprings, n.s.k., typically for establishments with 10 employees or more (see note) -----	(NA)	(X)	382.0	(NA)	(X)	221.2
25150 02	Mattresses and bedsprings, n.s.k., typically for establishments with less than 10 employees (see note) -----	(NA)	(X)	72.1	(NA)	(X)	34.4
2517- --	WOOD TELEVISION AND RADIO CABINETS						
	Total -----	(NA)	(X)	377.7	(NA)	(X)	302.4
25170 --	Wood television, radio, stereo, and sewing machine cabinets:						
25170 12	Console phonograph cabinets ----- 1,000 units--	(NA)	}				
25170 14	Other audio cabinets, including radio, phonograph, stereo, and speaker cabinets ----- do--	(NA)		76.3	24	(S)	51.3
25170 15	Television cabinets and combinations of television, stereo, and radio ----- do--	(NA)	2 864.5	226.0	22	3 753.4	211.9
25170 21	Sewing machine cabinets ----- do--	(NA)	(S)	11.4	9	246.2	24.6
25170 00	Wood television, radio, stereo, and sewing machine cabinets, n.s.k., typically for establishments with 10 employees or more (see note) -----	(NA)	(X)	36.9	(NA)	(X)	6.8
25170 02	Wood television, radio, stereo, and sewing machine cabinets, n.s.k., typically for establishments with less than 10 employees (see note) -----	(NA)	(X)	27.1	(NA)	(X)	7.8
2519- --	HOUSEHOLD FURNITURE, N.E.C.						
	Total -----	(NA)	(X)	472.5	(NA)	(X)	324.5
25190 --	Household furniture, except wood or metal:						
25190 11	Plastics and fibrous glass cabinets, including radio, phonograph, television, stereo, and combinations thereof -- 1,000 units--	(NA)	(S)	187.0	16	(S)	89.3
25190 23	Plastics and fibrous glass seating ----- do--	(NA)	2 001.8	58.8	}	(X)	88.2
25190 25	Other plastics and fibrous glass household furniture -----	(NA)	(X)	52.1			
25190 33	Reed and rattan seating (including willow, wicker, and cane) ----- 1,000 units--	(NA)	476.8	51.4	}	(X)	87.3
25190 35	Other reed and rattan furniture -----	(NA)	(X)	13.1			
25190 98	Other household furniture, except wood, metal, plastics, or fibrous glass -----	(NA)	(X)	7.2	13	(X)	26.9
25190 00	Household furniture, n.e.c., n.s.k., typically for establishments with 10 employees or more (see note) -----	(NA)	(X)	85.1	(NA)	(X)	22.3
25190 02	Household furniture, n.e.c., n.s.k., typically for establishments with less than 10 employees (see note) -----	(NA)	(X)	17.8	(NA)	(X)	10.5

Note: In 1987 Census of Manufactures, data for establishments of small single unit companies with up to 20 employees were estimated from administrative-record data rather than data actually collected from respondents. Employment cutoffs used for administrative records for each industry and shipments figures are included in code ending with "002". In both 1987 and 1982 Censuses of Manufactures, products not completely identified on standard forms were coded in appropriate product class (five-digit) followed by "00" or to appropriate product group code (four-digit) followed by "000".

¹Data reported by all producers, not just those with shipments of \$100,000 or more.

²For some establishments, data have been estimated from central unit values which are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: * 10 to 19 percent estimated; ** 20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by (S).

³Prior to 1987, product code 2511517 was published as product code 2515800 in industry 2515, Mattresses, Foundations, and Convertible Beds.

⁴For 1987, product code 2514519 is included with product code 2514598 to avoid disclosing data for individual companies. For 1982, product code 2514519 was not collected separately.

⁵For 1987, product code 2514755 is included with product code 2514799 to avoid disclosing data for individual companies.

⁶For 1982, product code 2514771 was included with product code 2514799 to avoid disclosing data for individual companies.

Table 3. Materials Consumed by Kind: 1987 and 1982

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For further explanation, see Cost of Materials in appendix. For meaning of abbreviations and symbols, see introductory text]

1987 material code	Material	1987		1982	
		Quantity ¹	Delivered cost (million dollars)	Quantity ¹	Delivered cost (million dollars)
	INDUSTRY 2511, WOOD HOUSEHOLD FURNITURE				
	Materials, parts, and supplies	(X)	3 286.8	(X)	2 082.0
242111	Hardwood lumber, rough and dressed..... mil bd ft...	**822.5	414.9	(S)	299.5
242123	Softwood lumber, rough and dressed do...	(S)	137.5	**366.9	116.9
242620	Hardwood dimension and parts, excluding furniture parts	(X)	243.9	(S)	147.0
243601	Softwood plywood mil sq ft 3/8 in...	(S)	17.6	(S)	16.6
	Hardwood plywood other than container type:				
243511	Veneer core mil sq ft sm...	(S)	37.3	(S)	24.4
243513	Lumber core, including particleboard core do...	(S)	46.7	*63.6	26.5
243540	Hardwood veneer mil sq ft 3/4 in...	(X)	109.6	(S)	79.9
249310	Particleboard (wood) mil sq ft 3/4 in...	(X)	226.2	(S)	88.5
249330	Medium density fiberboard (MDF)	(S)	74.9	**87.5	47.0
249340	Hardboard (wood fiberboard)	(X)	39.4	(S)	26.4
242661	Furniture frames, wood	(X)	104.7	(X)	51.9
285101	Paints, varnishes, lacquers, shellacs, japans, enamels, and allied products 1,000 gal...	(S)	149.3	(S)	110.9
282104	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc., but excluding sheets, rods, tubes, and shapes mil lb...	(S)	6.6	(S)	1.3
308009	Plastics parts, components, sheets, and other shapes (excluding plastics resins)	(X)	42.1	(X)	40.7
323150	Mirrors, framed and unframed	(X)	50.8	(S)	17.5
321101	Flat glass (plate, float, and sheet)	(X)	51.6	(S)	34.7
342901	Furniture and builders' hardware, including cabinet hardware, glides, handles, hinges, locks, casters, etc.	(X)	206.6	(X)	122.1
265001	Paperboard containers and boxes and corrugated paperboard	(X)	178.8	(X)	(²)
970099	All other materials and components, parts, containers, and supplies	(X)	415.8	(X)	392.8
971000	All other materials, parts, containers, and supplies, n.s.k. ²	(X)	732.5	(X)	437.4
	INDUSTRY 2512, UPHOLSTERED HOUSEHOLD FURNITURE				
	Materials, parts, containers, and supplies	(X)	2 556.9	(X)	1 692.9
242111	Hardwood lumber, rough and dressed..... mil bd ft...	(S)	90.0	(S)	62.6
242123	Softwood lumber, rough and dressed do...	(S)	21.2	**127.4	31.3
242620	Hardwood dimension and parts, excluding furniture frames	(X)	29.1	(S)	22.7
207431	Cotton linters mil lb...	(X)	7.8	(S)	7.5
242661	Furniture frames, wood	(X)	238.3	(X)	119.0
	Woven upholstery fabrics, excluding ticking and muslin:				
221161	Cotton	(X)	105.7	(S)	90.5
222103	Other (rayon, nylon, polyester, etc.)	(X)	516.7	(S)	351.3
229908	Paddings, battings, and fillings, except rubber and plastics foam	(X)	79.2	(S)	61.8
229508	Coated or laminated fabrics for upholstery, including vinyl coated	(X)	117.7	(S)	37.5
349538	Springs, innerspring units, and box spring constructions	(X)	69.3	(S)	36.1
285101	Paints, varnishes, lacquers, shellacs, japans, enamels, and allied products 1,000 gal...	(S)	8.4	(S)	11.3
342901	Furniture and builders' hardware, including cabinet hardware, glides, handles, hinges, locks, casters, etc.	(X)	76.5	(X)	22.4
342921	Constructions (mechanisms) for dual purpose sleep furniture	(X)	64.0	(X)	41.0
300003	Foam cores for mattresses, including latex, excluding topper pads	(X)	34.8	(S)	31.9
308601	Formed and slab stock for pillows, cushions, seatings, etc. (urethane)	(X)	268.4	(S)	156.3
970099	All other materials and components, parts, containers, and supplies	(X)	372.9	(X)	245.1
971000	Materials, parts, containers, and supplies, n.s.k. ²	(X)	456.9	(X)	364.6
	INDUSTRY 2514, METAL HOUSEHOLD FURNITURE				
	Materials, parts, containers, and supplies	(X)	963.2	(X)	723.7
	Mill shapes and forms, except castings:				
	Carbon steel, including wrought iron:				
331012	Sheet and strip 1,000 s tons...	(S)	92.4	**141.7	72.4
331085	All other carbon steel mill shapes and forms (including tubing) do...	(S)	67.5	106.1	61.7
	Aluminum and aluminum-base alloy mill shapes and forms:				
335301	Sheet, plate, and foil mil lb...	30.8	29.6	**27.6	27.4
335405	Extruded shapes, including extruded rod, bar, pipe, tube, etc. do...	**24.6	27.4	**25.9	24.2
335008	All other aluminum mill shapes and forms (wire, rolled rod and bar, powder, welded tubing, etc.) do...	**19.9	25.3	17.0	18.8
285101	Paints, varnishes, lacquers, japans, enamels, and allied products 1,000 gal...	(S)	20.3	(S)	18.2
308009	Plastics parts, components, sheets, and other shapes (excluding plastics resins)	(X)	34.0	(X)	34.9
229508	Coated or laminated fabrics for upholstery, including vinyl coated	(S)	60.9	**30.4	35.6
249310	Particleboard (wood) mil sq ft 3/4 in...	(S)	26.9	(S)	18.2
342901	Furniture and builders' hardware, including cabinet hardware, glides, handles, hinges, locks, casters, etc.	(X)	41.4	(X)	30.6
308601	Formed and slab stock for pillows, cushions, seatings, etc. (urethane)	(S)	18.8	**15.5	17.4
321101	Flat glass (plate, float, and sheet) mil sq ft...	(S)	25.1	(S)	21.4

See footnotes at end of table.

Table 3. Materials Consumed by Kind: 1987 and 1982—Con.

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For further explanation, see Cost of Materials in appendix. For meaning of abbreviations and symbols, see introductory text.]

1987 material code	Material	1987		1982	
		Quantity ¹	Delivered cost (million dollars)	Quantity ¹	Delivered cost (million dollars)
	INDUSTRY 2514, METAL HOUSEHOLD FURNITURE—Con.				
265001	Paperboard containers, boxes, and corrugated paperboard	(X)	47.0	(X)	40.0
970099	All other materials and components, parts, containers, and supplies	(X)	222.8	(X)	160.2
971000	All other materials, parts, containers, and supplies, n.s.k. ²	(X)	223.8	(X)	142.5
	INDUSTRY 2515, MATTRESSES AND BEDSPRINGS				
	Materials, parts, containers, and supplies	(X)	1 217.6	(X)	1 010.1
242661	Furniture frames, wood	(X)	41.9	(X)	27.2
242620	Hardwood dimension and parts, excluding furniture frames mil bd ft..	(S)	9.7	(S)	9.4
308007	Plastics products consumed in the form of sheets, rods, tubes, and other shapes	(X)	17.4	(X)	9.7
331017	Carbon steel (including wrought iron mill shapes and forms) .. 1,000 s tons..	(S)	8.0	(S)	20.2
	Core material, excluding padding and topper pads:				
349538	Springs, innerspring units, and box spring constructions	(X)	237.0	(S)	181.4
342921	Constructions (mechanisms) for dual purpose sleep furniture	(X)	21.0	(X)	21.3
300003	Foam core, including latex	(X)	26.8	(S)	43.0
308963	Vinyl bags intended to be water or air filled 1,000 units..	(S)	2.6	183.7	6.0
	Woven upholstery fabrics, excluding ticking and muslin:				
221161	Cotton	(X)	16.0	(S)	8.8
222103	Other (rayon, nylon, polyester, etc.)	(X)	46.2	(S)	34.6
221141	Ticking (mattress)	(S)	138.8	(S)	100.9
190047	Cotton linters and cotton waste	(S)	12.7	(S)	14.1
308604	Padding, foam, except mattress cores	(S)	53.3	(S)	43.1
	Filling materials, purchased premade:				
190048	Cotton felt	(S)	13.4		
190049	Insulators, all types except cotton felt	(S)	23.3	(S)	36.2
190044	Other cushioning materials	(S)	26.5	(S)	4.2
260091	Paper and paperboard containers	(X)	10.2	(X)	7.8
970099	All other materials and components, parts, containers, and supplies	(X)	111.1	(X)	133.5
971000	Materials, parts, containers, and supplies, n.s.k. ²	(X)	401.7	(X)	308.7
	INDUSTRY 2517, WOOD TELEVISION AND RADIO CABINETS				
	Materials, parts, and supplies	(X)	176.0	(X)	143.3
242111	Hardwood lumber, rough and dressed	(S)	8.9	(S)	12.2
242123	Softwood lumber, rough and dressed	(S)	2.1	(D)	(D)
242620	Hardwood dimension and parts, excluding furniture parts	(X)	(D)	(D)	(D)
243601	Softwood plywood	(D)	(D)	(D)	(D)
	Hardwood plywood other than container type:				
243511	Veneer core	(S)	1.1		
243513	Lumber core, including particleboard core	(S)	6.1	(S)	7.2
243540	Hardwood veneer	(X)	(D)	(S)	1.3
249310	Particleboard (wood)	(X)	19.8	(S)	14.3
249330	Medium density fiberboard (MDF)	(S)	12.9	21.0	8.4
249340	Hardboard (wood fiberboard)	(X)	1.2	(S)	3.7
285101	Paints, varnishes, lacquers, shellacs, japans, and enamels and allied products	(S)	8.1	(S)	7.2
308009	Plastics parts, components, sheets, and other shapes (excluding plastics resins)	(X)	14.2	(X)	(D)
342901	Furniture and builders' hardware, including cabinet hardware, glides, handles, hinges, locks, casters, etc.	(X)	11.6	(X)	10.1
265001	Paperboard containers and boxes and corrugated paperboard	(X)	12.1	(³)	(³)
970099	All other materials and components, parts, containers, and supplies consumed, n.e.c.	(X)	21.7	(X)	³ 31.2
971000	Materials, parts, containers, and supplies, n.s.k. ²	(X)	37.2	(X)	20.6
	INDUSTRY 2519, HOUSEHOLD FURNITURE, N.E.C.				
	Materials, parts, and supplies	(X)	259.0	(X)	211.9
282104	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc., but excluding sheets, rods, tubes, and shapes	[*] 110.4	83.0	[*] 60.2	42.1
308009	Plastics parts, components, sheets, and other shapes (excluding plastics resins)	(X)	(⁴)	(X)	25.2
342901	Furniture and builders' hardware, including cabinet hardware, glides, handles, hinges, locks, casters, etc.	(X)	.9	(X)	1.0
265001	Paperboard containers and boxes and corrugated paperboard	(X)	16.4	(³)	(³)
970099	All other materials and components, parts, containers, and supplies	(X)	⁴ 114.4	(X)	³ 135.7
971000	Materials, parts, containers, and supplies, n.s.k. ²	(X)	44.3	(X)	7.9

¹For some establishments, data have been estimated from central unit values which are based on quantity-cost relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: * 10 to 19 percent estimated; ** 20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by (S).

²Total cost of materials of establishments that did not report detailed materials data, including establishments that were not mailed a form.

³For 1982, material code 265001 was included with material code 970099.

⁴For 1987, material code 308009 is included with material code 970099 to avoid disclosing data for individual companies.

APPENDIX

Scope and Coverage and Explanation of Terms

GENERAL

The 1987 Census of Manufactures is the 32nd census of manufacturing establishments conducted in the United States. For 1987, it was conducted as part of the economic censuses, which included the censuses of mineral industries, construction industries, retail and wholesale trades, service industries, selected transportation activities, and minority-owned and women-owned businesses, under authority of title 13 of the United States Code. Title 13 specifies that an economic census be conducted every 5 years to cover years ending in 2 and 7.

SCOPE AND COVERAGE

Establishment Basis of Reporting

The census of manufactures is conducted on an establishment basis. All manufacturing establishments with one paid employee or more at any time during the year are covered by the census of manufactures. Therefore, a company operating at more than one location is required to file a separate report for each location. This report excludes information for separately operated administrative offices, warehouses, garages, and other auxiliary units which service manufacturing establishments of the same company. Where these auxiliary operations are conducted at the same location as the manufacturing operation, they are usually included in the report for the operating manufacturing establishment.

Use of Administrative Records

From a universe of approximately 350,000 manufacturing establishments in the 1987 Census of Manufactures, approximately 150,000 small single-establishment companies were excused from filing reports. Selection of the small establishment nonmail cases was done on an industry-by-industry basis. A variable cutoff was used to determine those establishments for which administrative records were to be used in place of a census report. The cutoffs were selected so the administrative-record cases would account for approximately 3 percent or less of the value of shipments for the industry. These cutoffs were then adjusted so that all single-establishment companies with less than 5 employees were excluded from the mail canvass, while all establishments with more than 20 employees were included. Where establishments in the 5 to 20 employee size range were included in the mail canvass, an abbreviated census form was frequently used.

For these nonmail establishments, (and a small number of larger establishment whose reports were not received at the time the data were tabulated) data on employment, payroll, and receipts were obtained from administrative records of other government agencies rather than from census forms. The administrative-record information was then used in conjunction with industry averages to estimate the data for these establishments. The value of shipments and cost of materials were not distributed among specific products and materials but were included in the product and material "not specified by kind" (n.s.k.) categories.

EXPLANATION OF TERMS

Number of establishments and companies—A separate report was required for each manufacturing establishment (plant) with one employee or more. An establishment is defined as a single physical location where manufacturing is performed. A company, on the other hand, is defined as a business organization consisting of one establishment or more under common ownership or control.

All employees—Includes all full-time and part-time employees on the payrolls at any time during the year. Included are all persons on paid sick leave, paid holidays, and paid vacations. Officers of corporations are included as employees; proprietors and partners of unincorporated firms are excluded. The "all employees" number is the average number of production workers plus the number of other employees in mid-March. The number of production workers is the average of those for midmonth payroll periods of March, May, August, and November.

Production workers—Includes workers up through the working-supervisor level engaged in fabricating, processing, assembling, inspecting, receiving, packing, warehousing, shipping (but not delivering), maintenance, repair, janitorial, guard services, product development, auxiliary production for plant's own use (e.g., power-plant), recordkeeping, and other closely associated services. Truckdrivers delivering ready-mixed concrete are also included in production workers.

Other employees—Includes nonproduction personnel, including those engaged in the following activities: supervision above working-supervisor level, sales (including driver/salespersons), sales delivery (truckdrivers and helpers), advertising, credit collection, installation and

servicing of own product, clerical and routine office functions, executive, purchasing, finance, legal, personnel (including cafeteria, etc.), professional, and technical employees.

Payroll—Includes the gross earnings for the “employees” defined above, such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, and compensation in kind, prior to such deductions as employees’ Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. Respondents were told that in reporting they could follow the definition of payrolls used for calculating the Federal withholding tax.

Production-worker hours—Covers hours worked or paid for at the plant, including actual overtime hours (not straight-time equivalent hours). It excludes hours paid for vacations, holidays, or sick leave when the employee was not at the plant.

Cost of materials—Refers to direct charges actually paid or payable for items consumed or put into production during the year, including freight charges and other direct charges incurred by the establishment in acquiring these materials. It includes the cost of materials or fuels consumed, regardless of whether they were purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.

The important components of this cost item are (a) all raw materials, semifinished goods, parts, containers, scrap, and supplies put into production or used as operating supplies and for repair and maintenance during the year; (b) electric energy purchased; (c) fuels consumed for heat, power, or generating electricity; (d) work done by others on materials or parts furnished by manufacturing establishments (contract work); and (e) products bought and resold in the same condition.

Specific materials consumed (table 3)—In addition to the total cost of materials which every establishment was required to report, information was also collected for most manufacturing industries on the consumption of major materials used in manufacturing. These inquiries were restricted to those materials which were important parts of the cost of production in a particular industry and for which cost information was available from manufacturers’ records. Establishments consuming less than a specified amount (usually \$10,000) of a specific material were not requested to report consumption of that material separately. Also, the cost of materials for the small establishments for which administrative records were used was estimated as “not specified by kind” (n.s.k.).

Value of shipments and other receipts—Generally refers to received or receivable net selling values, f.o.b. plant (exclusive of freight and taxes), of all products shipped, both primary and secondary, as well as all

miscellaneous receipts such as receipts for contract work performed for others, installation and repair receipts, sale of scrap, and sale of products bought and resold without further processing. Included are all items made by or for the establishment from materials owned by it whether sold, transferred to other plants of the same company, or shipped on consignment. The net selling value of products made in one plant on a contract basis from materials owned by another was reported by the plant providing the materials.

In a few industries, the value of production or value of work completed is used instead of value of shipments. These industries are identified in the introduction and are footnoted in table 1.

In the case of multiunit companies, the manufacturer was requested to report the value of products transferred to other establishments of the same company at full economic or commercial value, that is, including not only the direct costs of production but also a reasonable proportion of “all other costs” (including company overhead and profit).

Shipments or production of individual products (table 2)—In the 1987 census, detailed shipment information was collected for approximately 11,000 individual products. These products are identified by a seven-digit code and are grouped into approximately 1,500 classes of products, which in turn are primary to 459 four-digit industries. Data at the five-digit product-class level have been collected each year as part of the annual survey of manufactures. Information at the seven-digit level, collected for many industries in the current industrial reports program, is not included in this table.

Value added by manufacture—This measure of manufacturing activity is derived by subtracting the cost of materials, supplies, containers, fuel, purchased electricity, and contract work from the value of shipments for products manufactured plus receipts for services rendered. The result of this calculation is then adjusted by the addition of value added by merchandising operations (that is, the difference between the sales value and cost of merchandise sold without further manufacturing, processing, or assembly) plus the net change in finished goods and work-in-process inventories between the beginning and end of the year.

For those industries where value of production is collected instead of value of shipments (see footnote in table 1), value added is adjusted only for the change in work-in-process inventories between the beginning and end of the year. For those industries where value of work done is collected, the value added does not include an adjustment for the change in finished goods or work-in-process inventories.

Value added avoids the duplication in the figure for value of shipments which results from the use of products of some establishments as materials by others. Value

added is considered to be the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

Expenditures for new plant and equipment—Establishments in operation and any known plants under construction were asked to report their expenditures for (a) permanent additions and major alterations to manufacturing establishments and (b) new machinery and equipment used for replacement and additions to plant capacity if they are of the type for which depreciation accounts are ordinarily maintained.

These totals exclude expenditures for used plant and equipment, expenditures for land, and cost of maintenance and repairs charged as current operating expenses. Data for used plant and equipment will be published in the final industry bulletin.

End-of-year inventories—Comprised of (a) finished products; (b) work-in-process; and (c) materials, supplies, fuels, etc. Beginning in 1982, respondents were asked to report their inventories at (the lower of) cost or market prior to adjustment to LIFO cost. This is a change from prior years in which respondents were permitted to value their inventories using any generally accepted accounting method.

Therefore, 1982 through 1987 data for inventories are not strictly comparable to prior-year data.

Specialization and coverage ratios—An establishment is classified in a particular industry if its shipments of primary products of the industry exceed in value its shipments of the products of any other single industry. An establishments' shipments include those products assigned to an industry (primary products), those considered primary to other industries (secondary products), and receipts for miscellaneous activities (merchandising, contract work, resales, etc.). The following ratios have been developed to measure the relationship of primary product shipments to the data on shipments for the industry shown in table 1 and data on product shipments shown in table 2.

Specialization ratio—Represents the ratio of primary product shipments to total product shipments (primary and secondary, excluding miscellaneous receipts) for the establishments classified in the industry.

Coverage ratio—Represents the ratio of primary products shipped by the establishments classified in the industry to the total shipments of such products that are shipped by all manufacturing establishments, wherever classified.

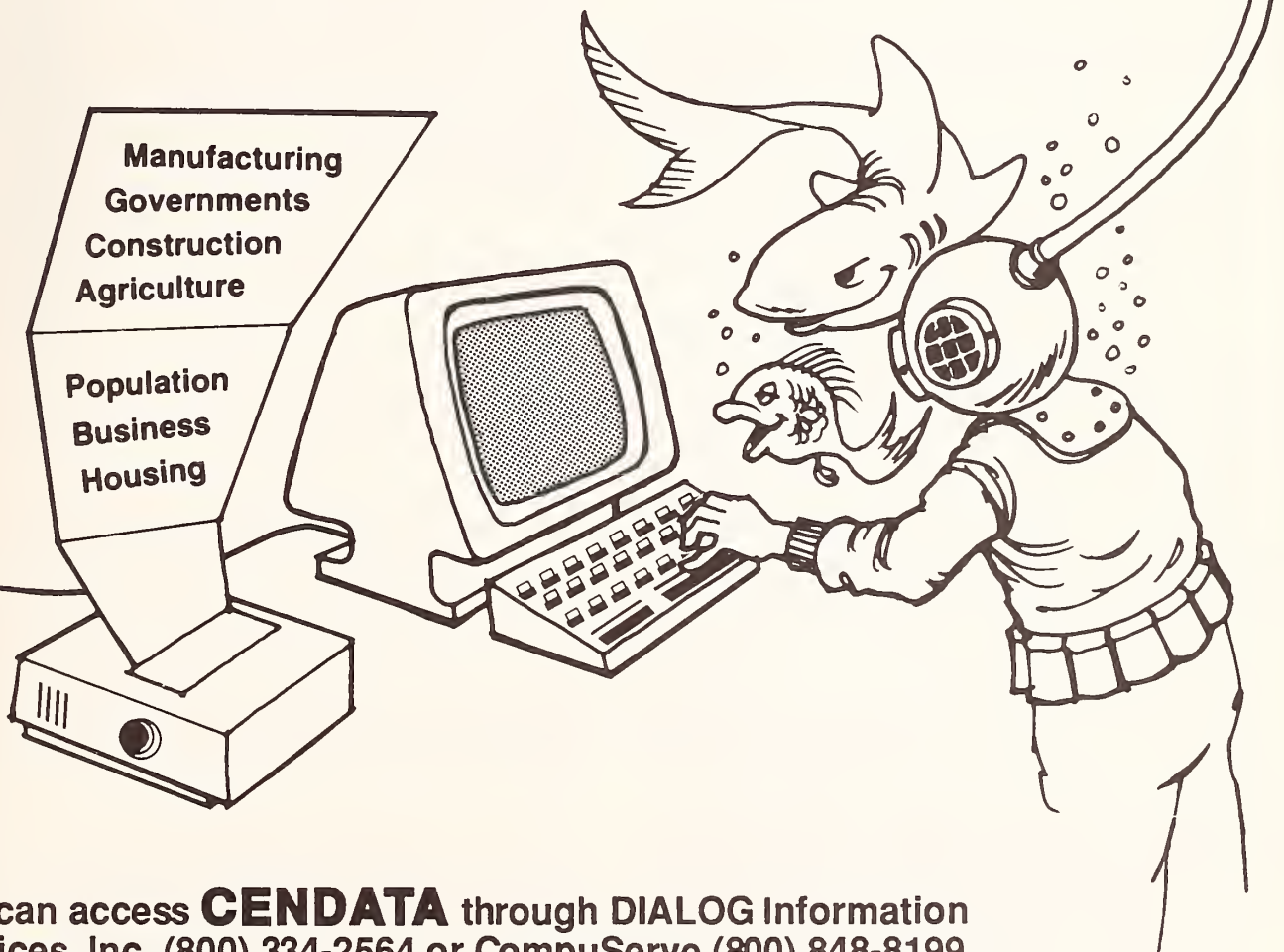
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